

ABSTRACT OF THE INVENTION

An industrial delta robot with an arm system rotatable in space and including a base section, a moveable plate, several multi-jointed pull rods and a telescopic axle arranged between the base section and the moveable plate, opposite ends of the pull rods and of the telescopic axle being connected with the base section and the moveable plate respectively, and the telescopic axle comprising an inner axle and an outer tube arranged on the inner axle and displaceable in a longitudinal direction where a pair of end-to-end torsional rigid bushings are arranged in a stationary manner on the outer tube in which the inner axle is mounted to be displaceable, the bushings being spaced apart at confronting inner ends to form a transversely extending lubrication pocket for continuous lubrication of the inner axle during movement relative to the bushings.